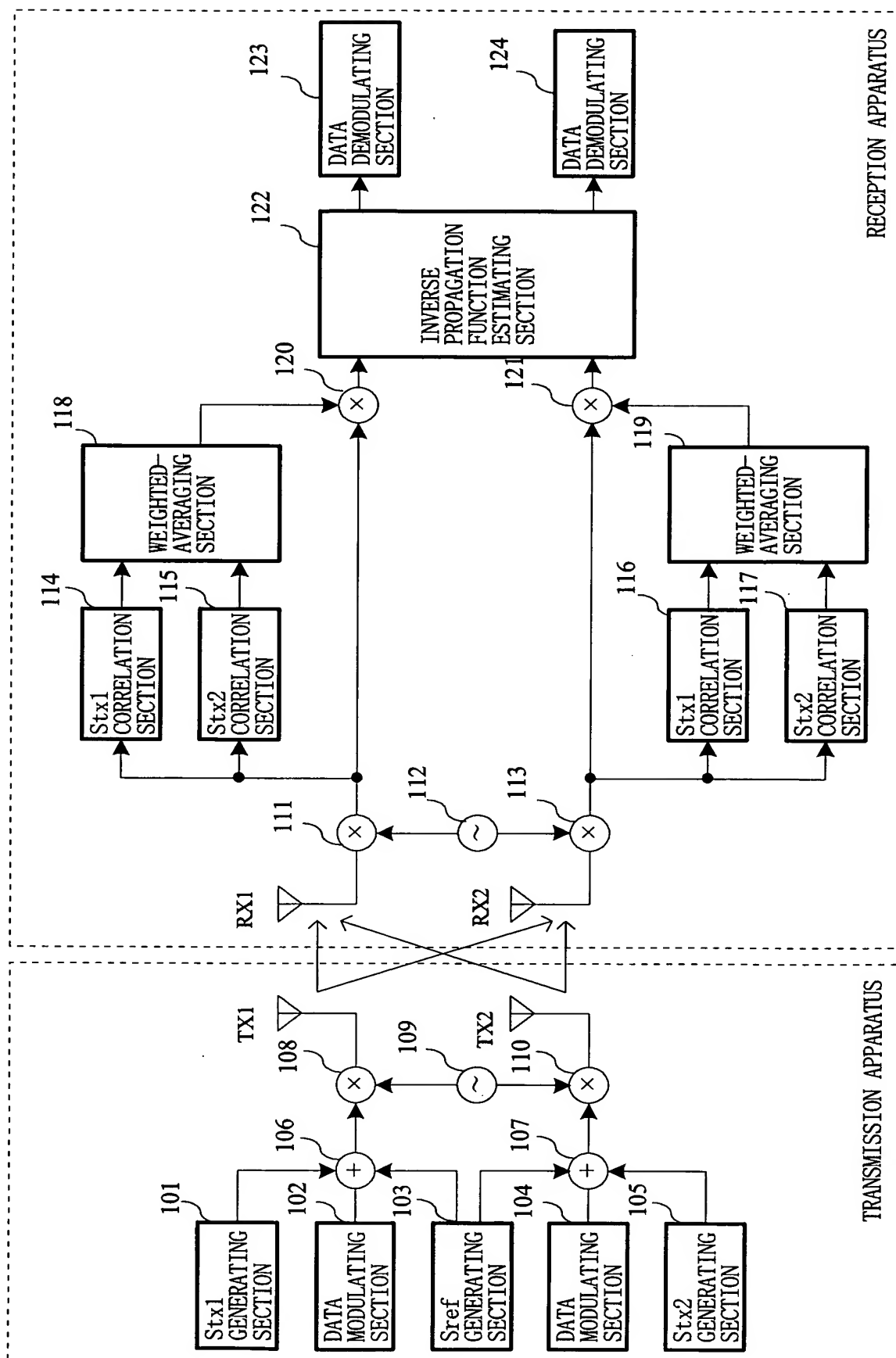
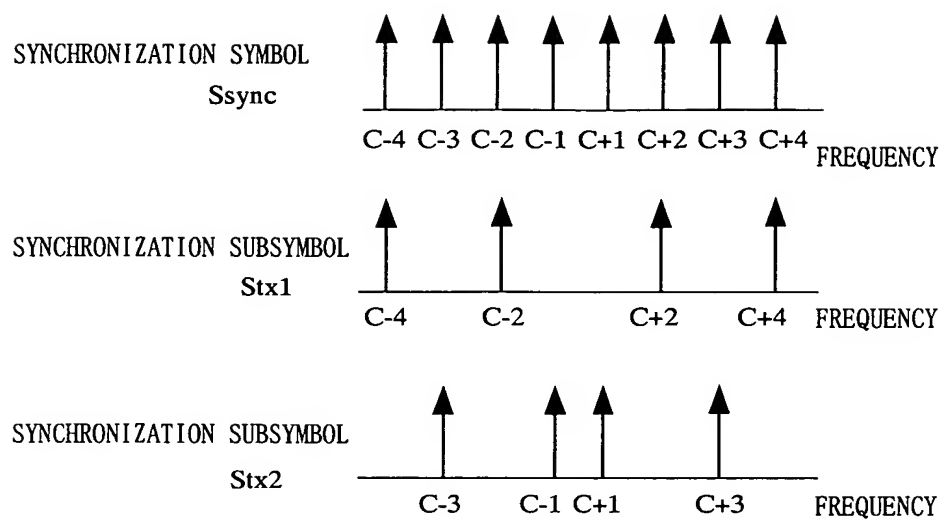


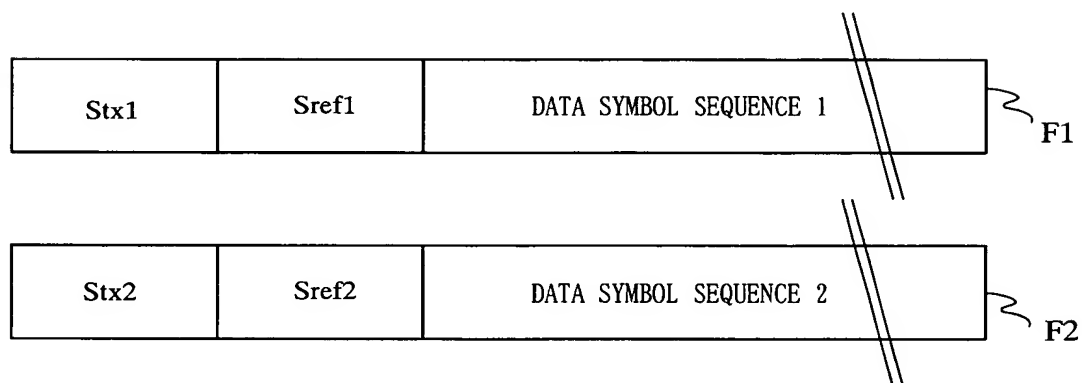
FIG. 1



F I G . 2



F I G . 3



F I G . 4

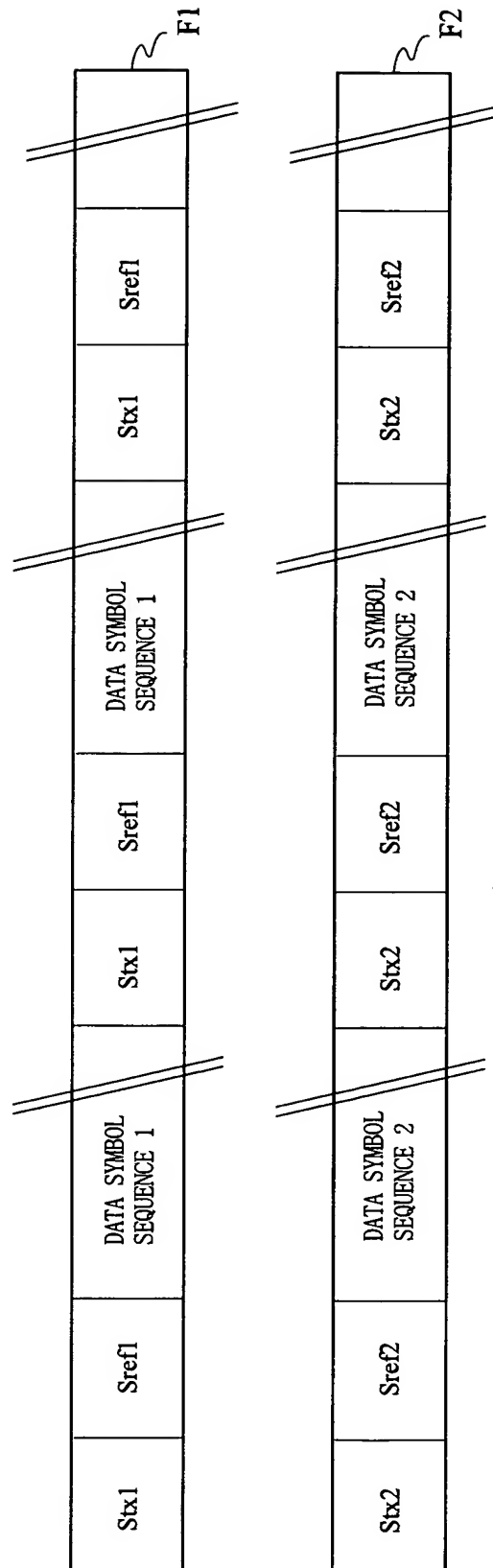


FIG. 5

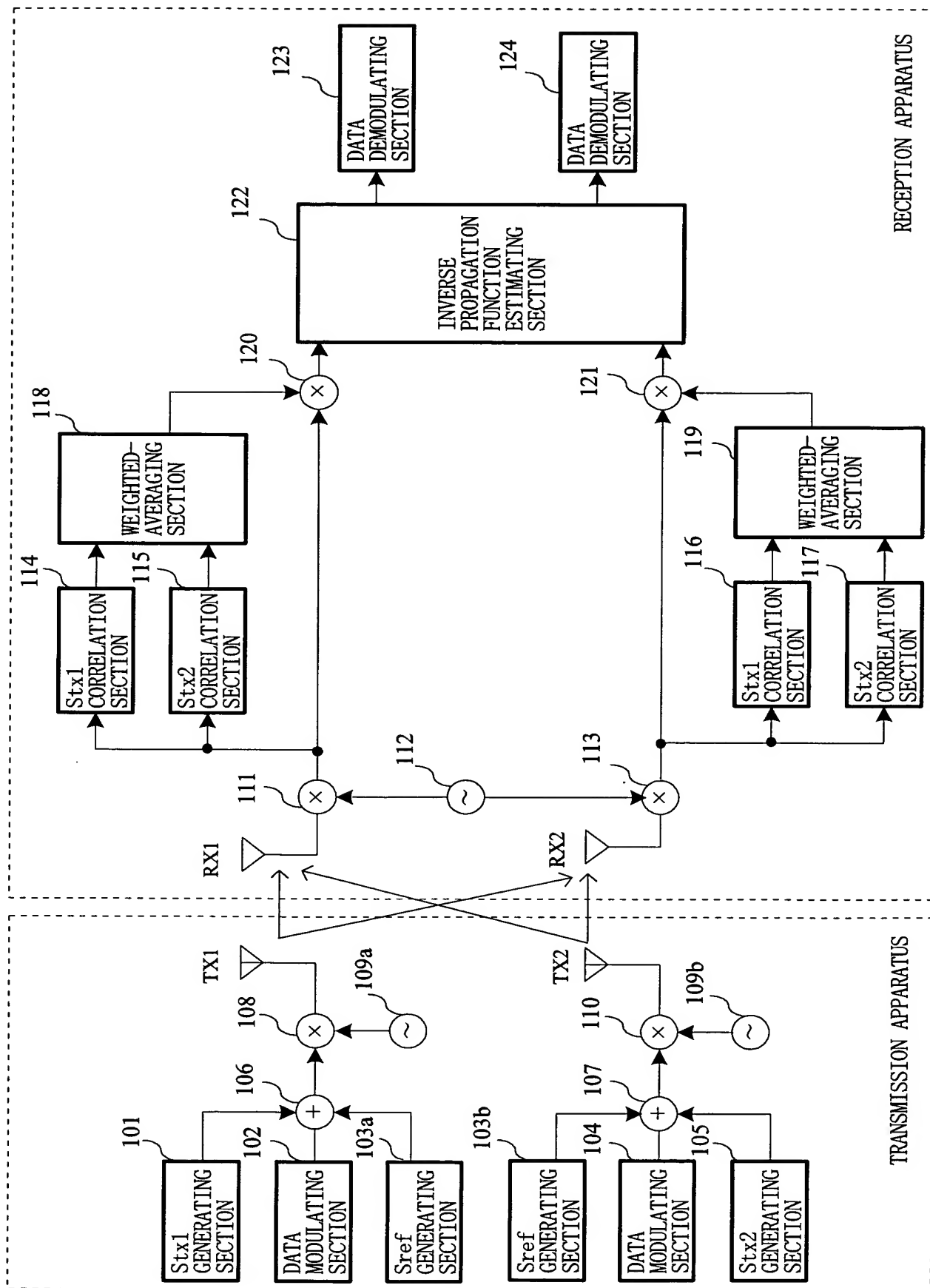


FIG. 6

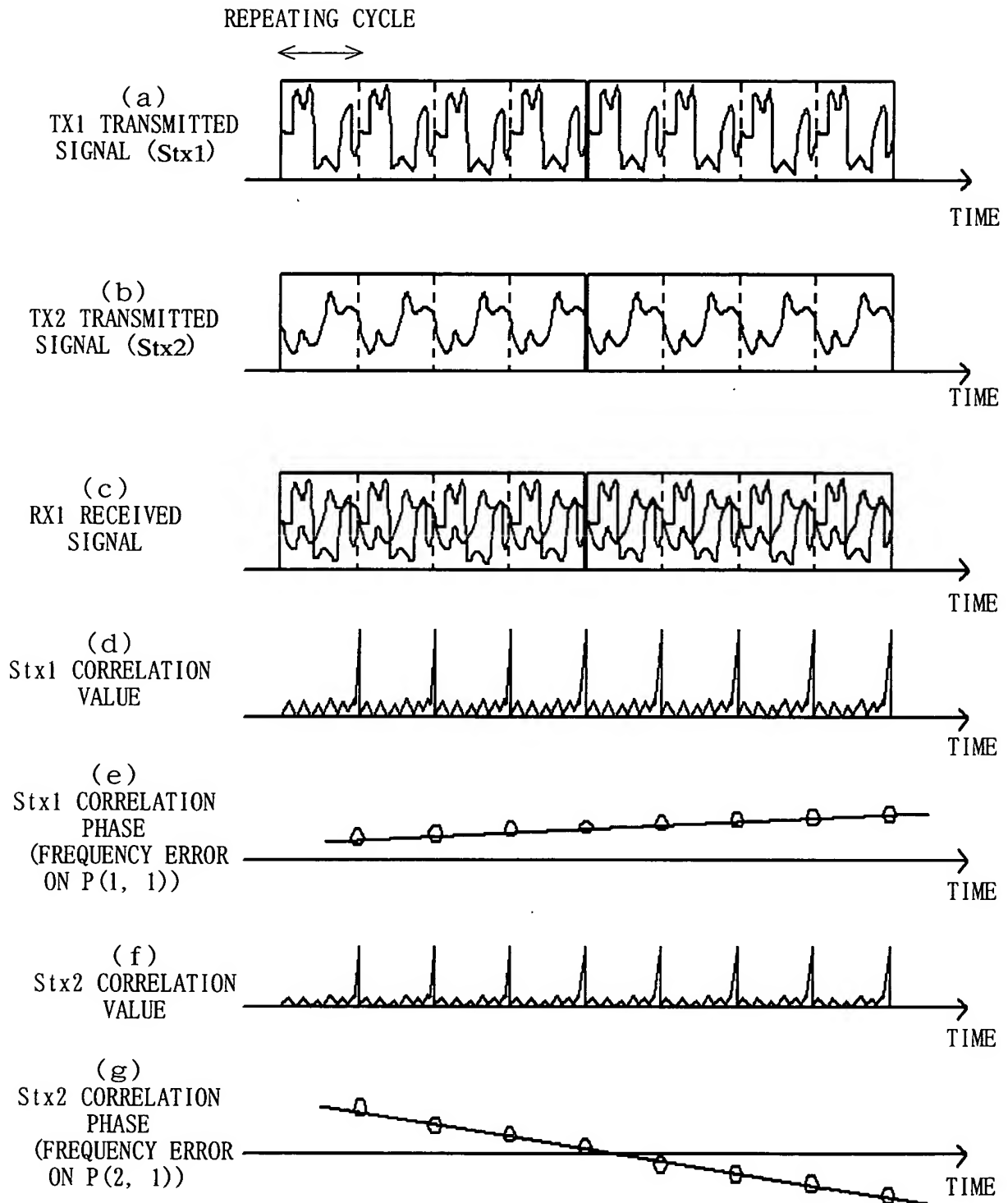


FIG. 7

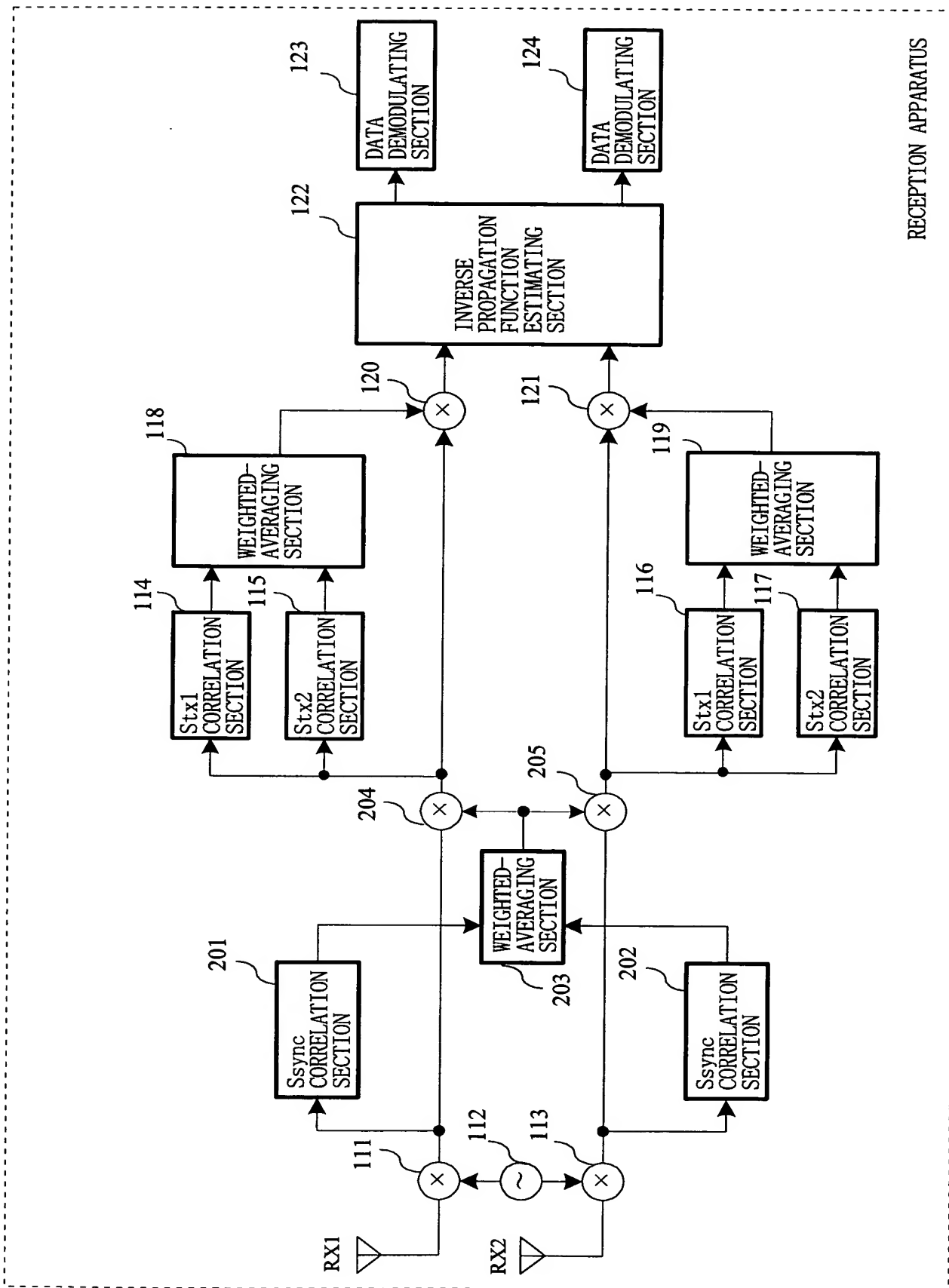


FIG. 8

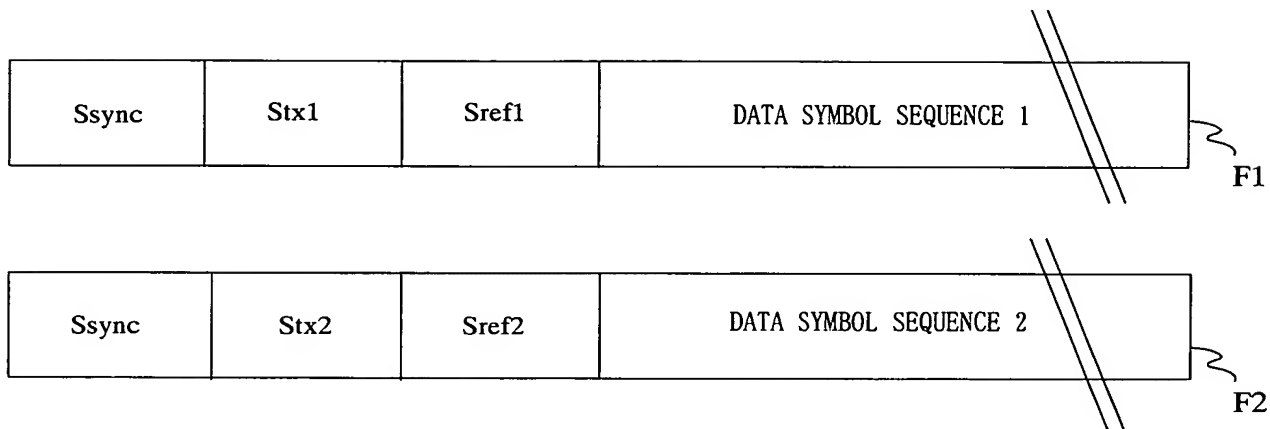


FIG. 9

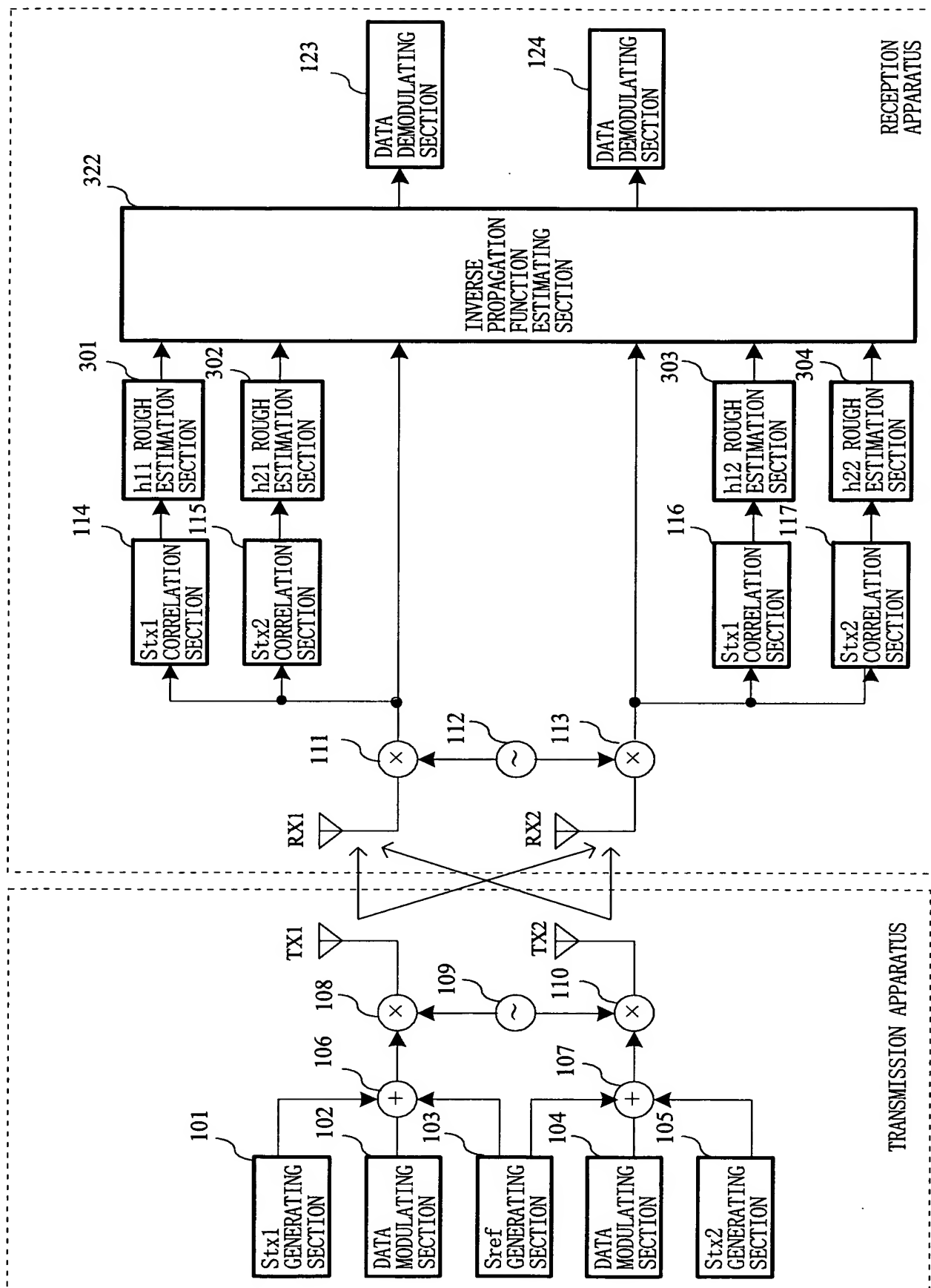
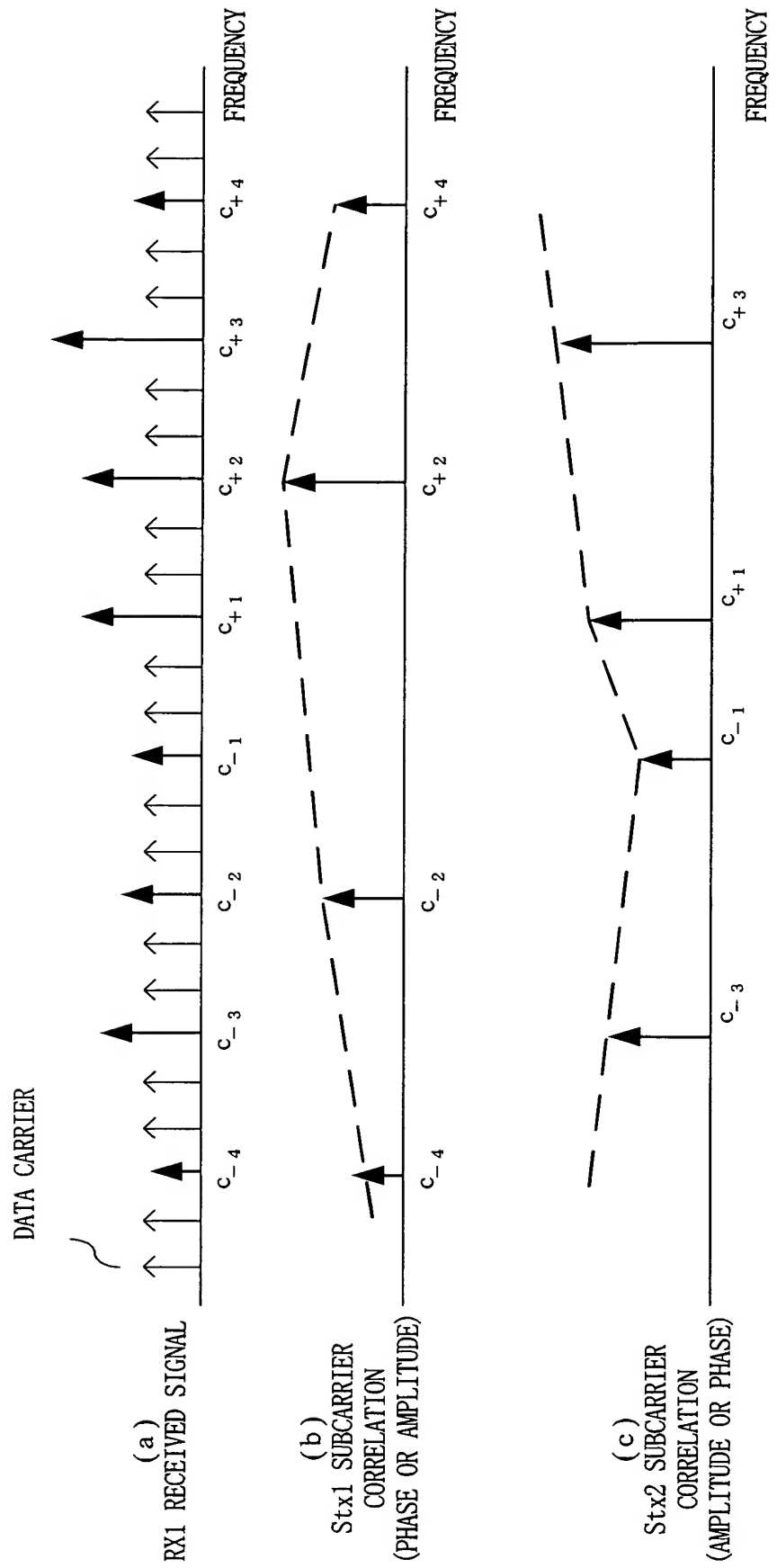




FIG. 10



The diagram illustrates a reception apparatus with two parallel processing channels for RX1 and RX2. Each channel starts with two antennas (RX1-1, RX1-2 for the first channel; RX2-1, RX2-2 for the second). The signals from these antennas are processed by selection combination sections (403, 404) and reception level determining sections (401, 402). The outputs of the selection combination sections are then fed into correlation sections (114, 115 for RX1; 116, 117 for RX2). The outputs of the correlation sections are fed into weighted averaging sections (118, 119). The outputs of the weighted averaging sections are then fed into multiplication sections (120, 121). The outputs of the multiplication sections are fed into an inverse propagation function estimating section (122). The output of the inverse propagation function estimating section is then fed into data demodulating sections (123, 124).

FIG. 12

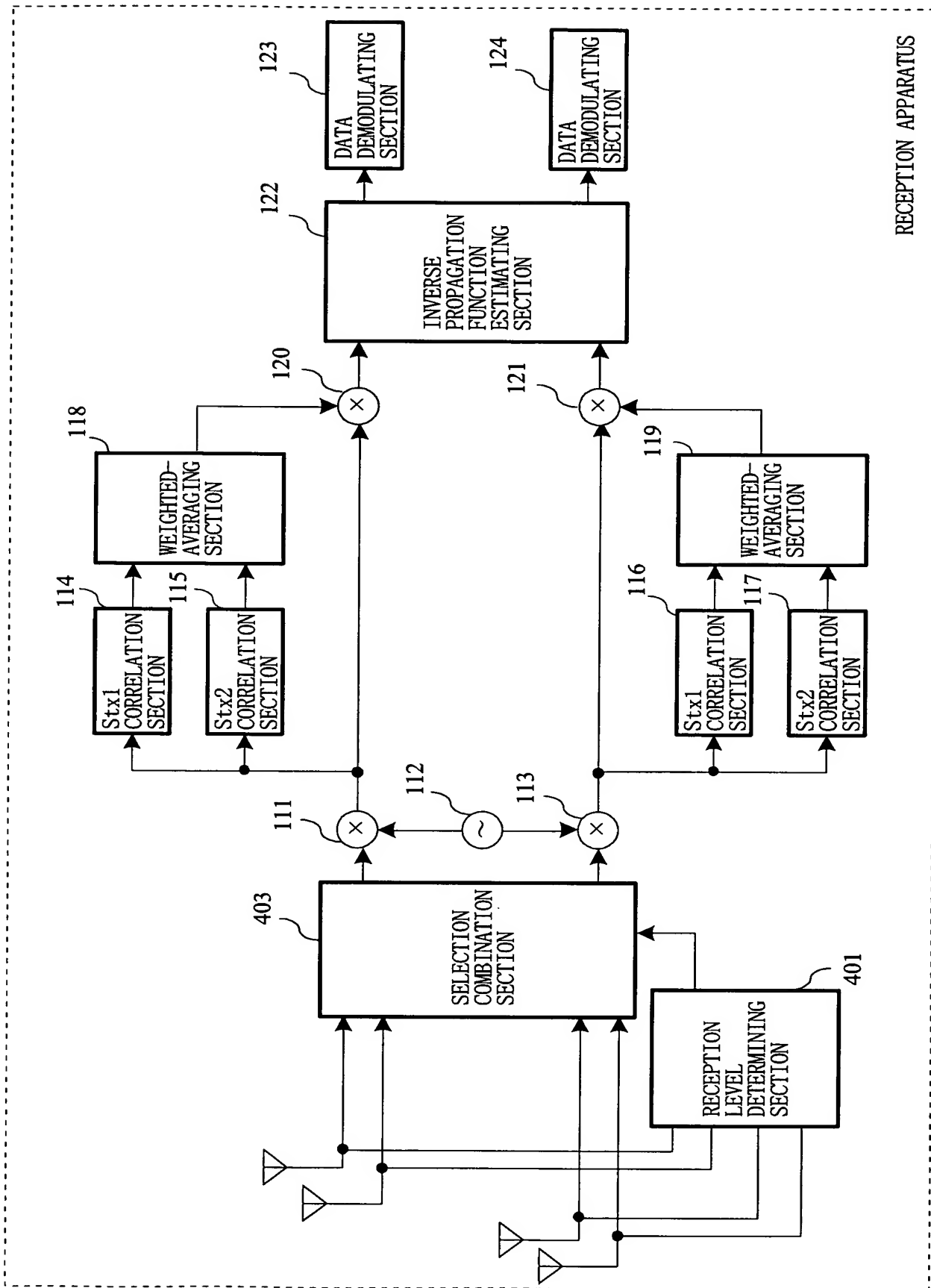


FIG. 13

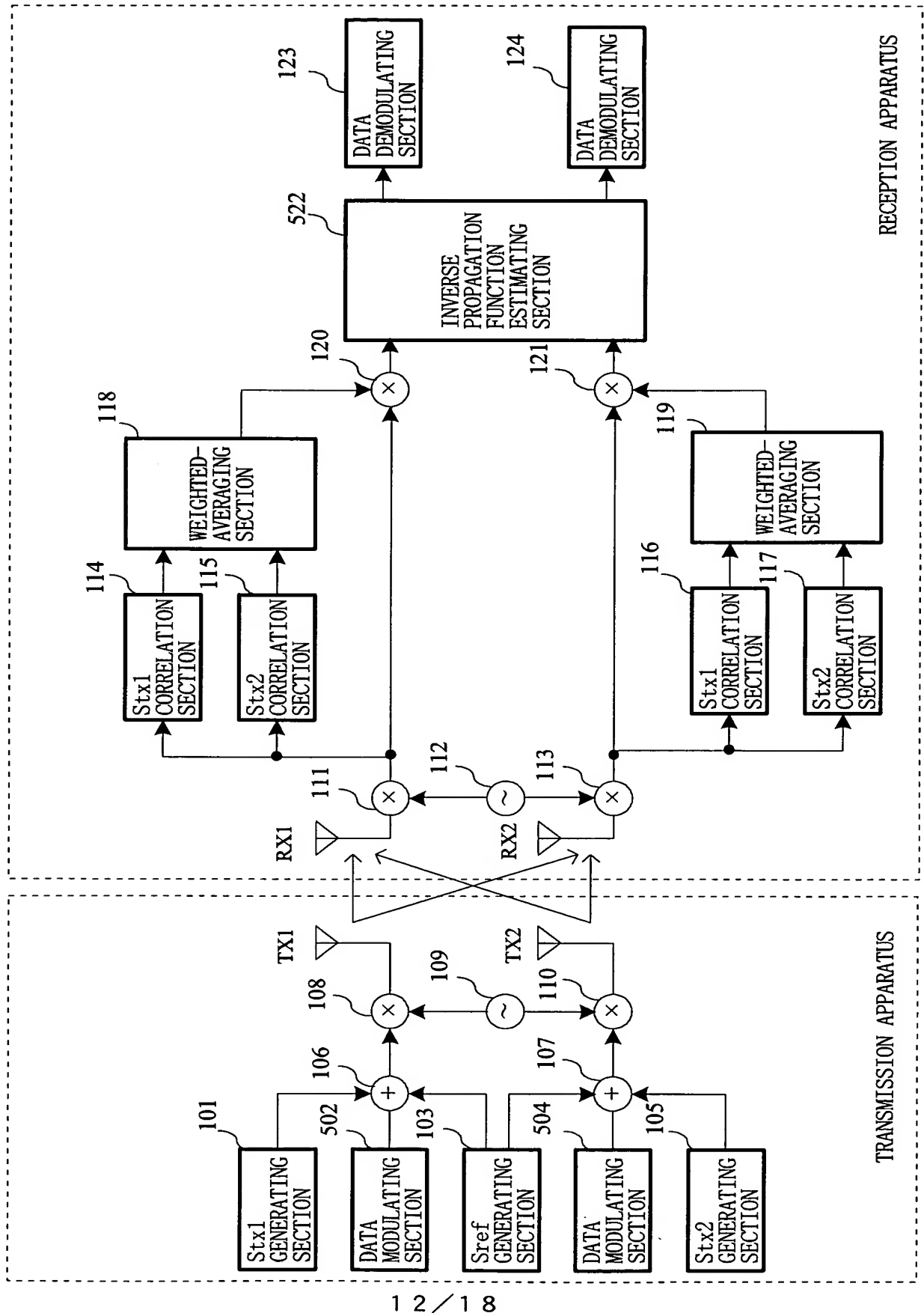


FIG. 14

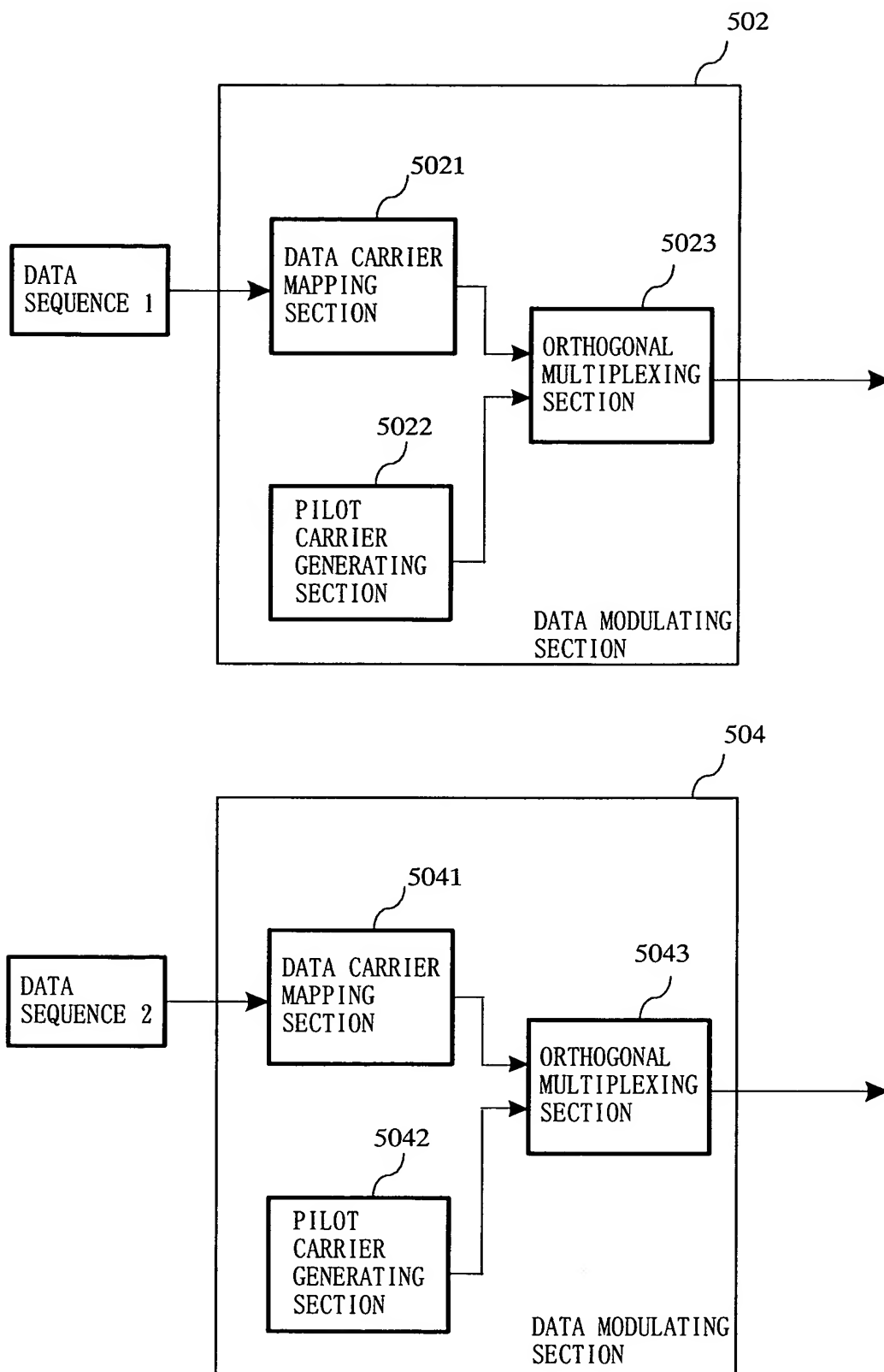


FIG. 15

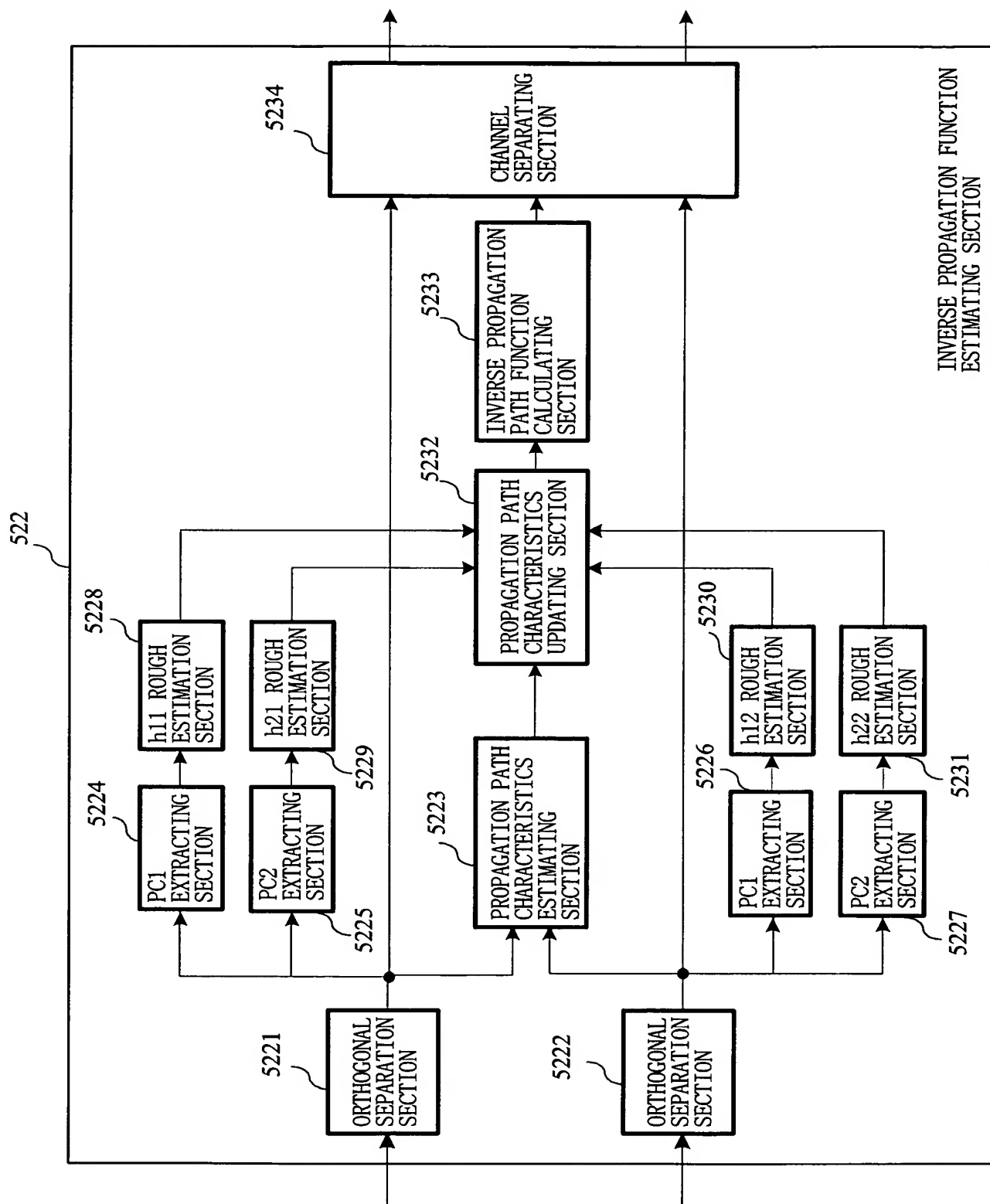


FIG. 16

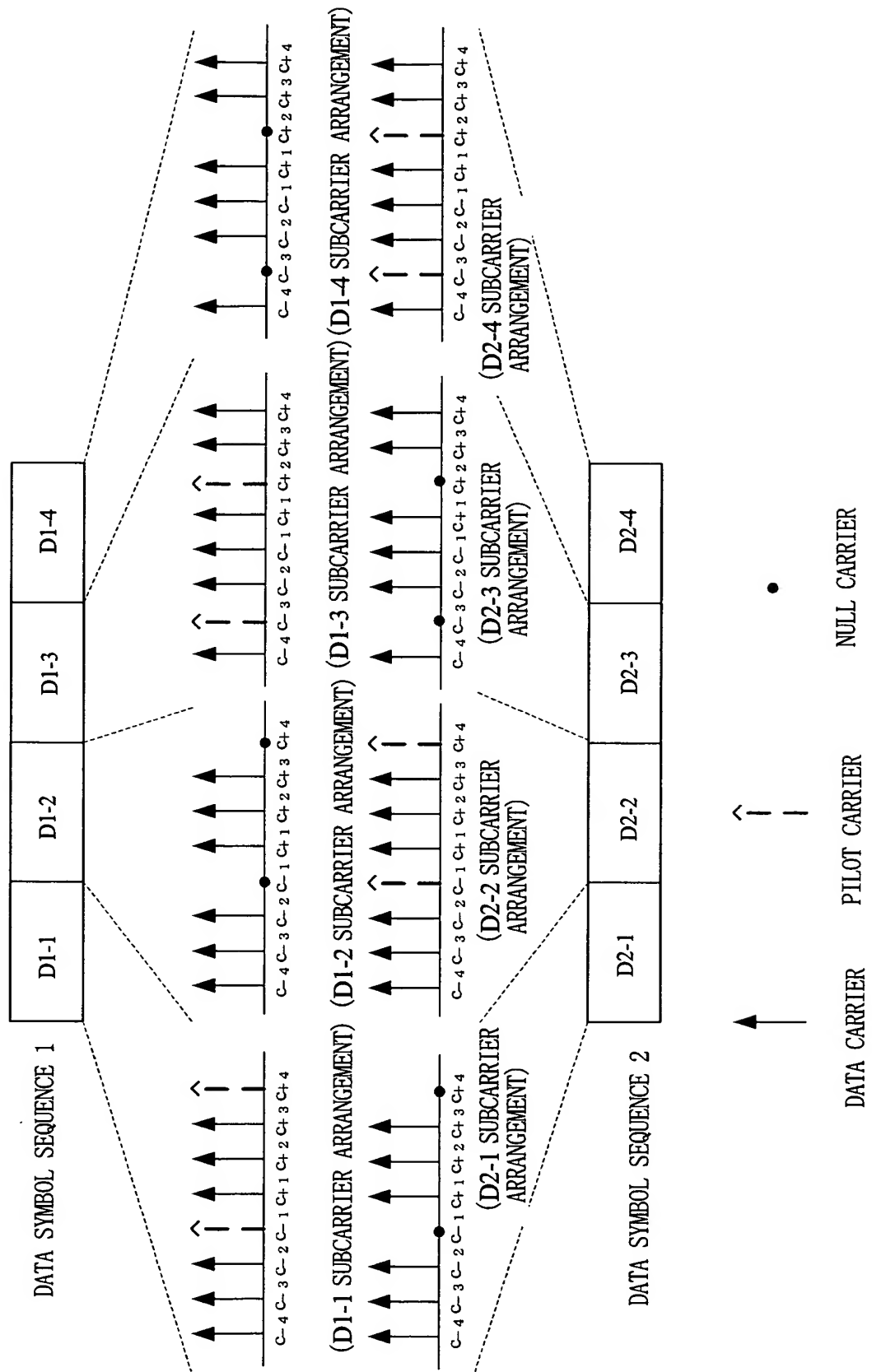
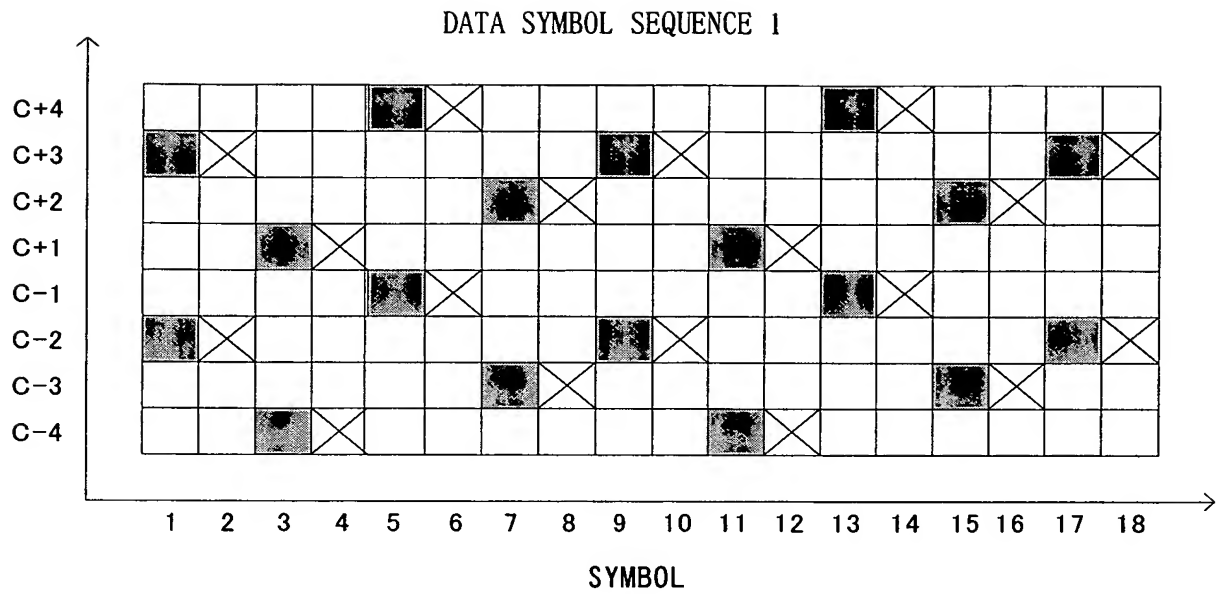
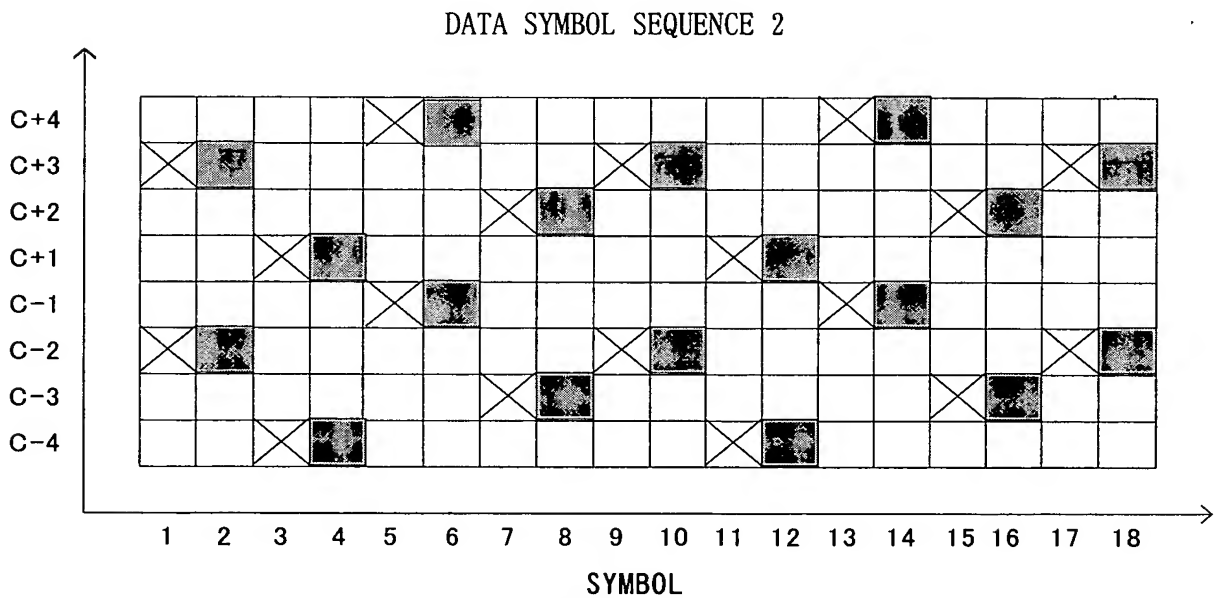


FIG. 17

(a)



(b)



DATA CARRIER
  PILOT CARRIER
  NULL CARRIER



FIG. 18

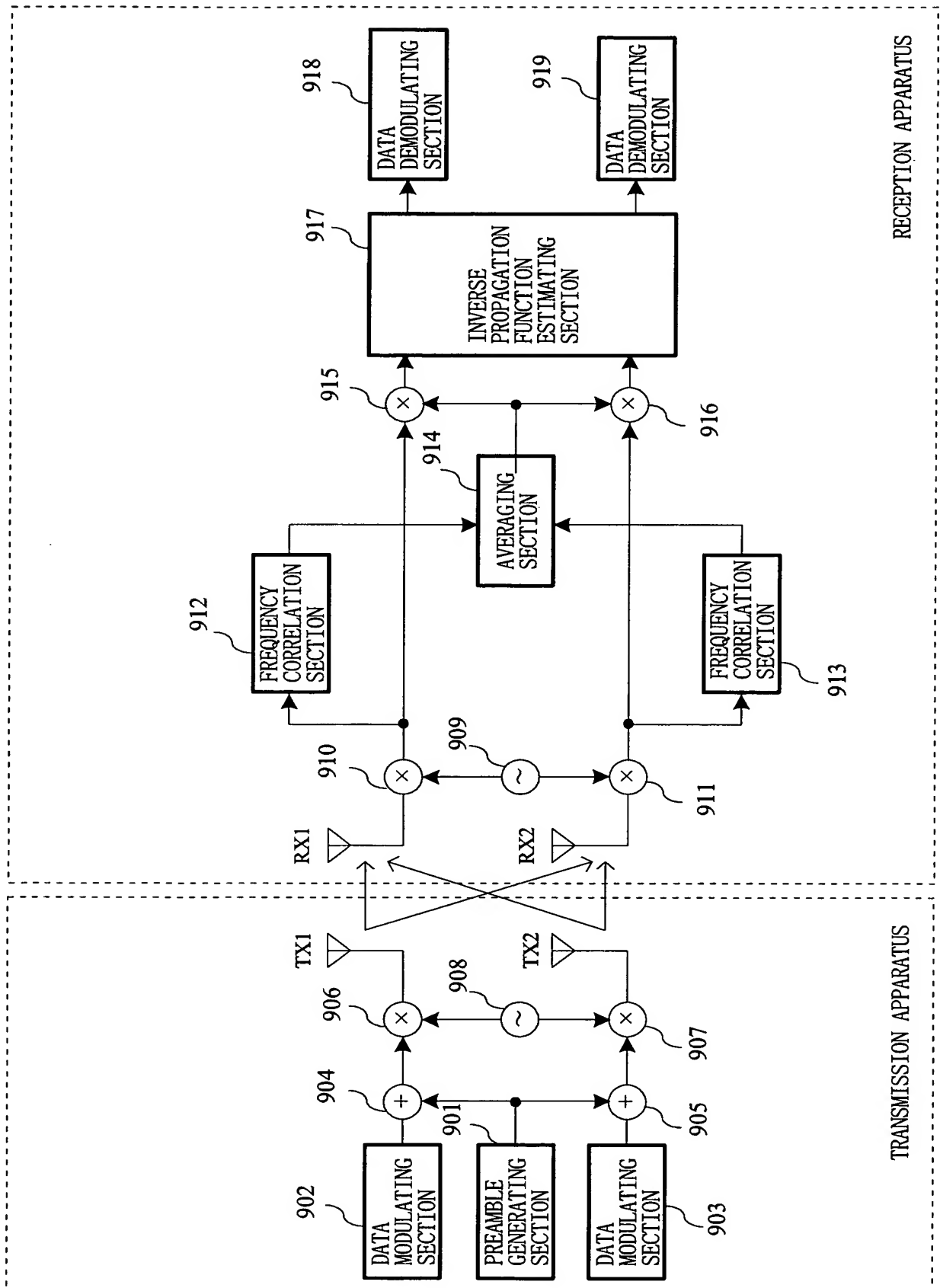


FIG. 19

